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Employment Review

July 1986

Seasonal Decline in Nonagricultural Employment

Nonagricultural wage and salary employment dropped by 35,000 jobs in July, a normal seasonal fluctuation which was somewhat smaller than the decline in July of last year.

- o Manufacturing employment fell by 12,100, a drop that would have been substantially larger except for the return to work of about 8,200 workers from a strike in the communications equipment manufacturing industry in June. Last year manufacturing employment declined by about 22,000 jobs.
- o Construction, which gained 4,200 jobs, and finance, insurance and real estate, which grew by 3,400, were the only sectors that showed increases over the month.
- o Wholesale and retail trade fell by 5,800 jobs, a normal drop related primarily to slower retail trade activity in the summer.
- o Other sectors experiencing seasonal declines were transportation, communication and utilities; services; and government. Most of these job losses were due to the closing of public and private schools and colleges for the summer.

Compared with one year ago, total nonagricultural employment has risen by 46,000 jobs.

- o The largest gains over the year were in services, which increased by more than 32,000, and wholesale and retail trade, which added 20,000 jobs. Also showing major increases were finance, insurance, and real estate; and construction.
- o The largest over the year job losses were in manufacturing, which declined by 25,000 jobs. Only about 6,900 of these lost manufacturing jobs were in high technology industries which, although accounting for about 40 percent of the state's manufacturing employment, contributed only slightly more than one-fourth of manufacturing's job losses.

Massachusetts' Major Labor Market Areas

I. The Boston PMSA

This month Employment Review highlights the Boston Primary Metropolitan Statistical Area (PMSA), the largest of the state's labor market areas. Defined by the federal government, the area consists of 106 cities and towns.

(continued on page 9)

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT MASSACHUSETTS

INDUSTRY	EMPLOYMENT			CHANGE			
	JULY 1986	JUNE 1986	JULY 1985	PRIOR MO.		YEAR AGO	
				#	%	#	%
NONAGRICULTURAL EMPLOYMENT	2963.7	2998.7	2918.6	-35.0	-1.2	45.1	1.5
Manufacturing	618.2	630.3	644.1	-12.1	-1.9	-25.9	-4.0
Durable Goods	418.8	421.4	440.1	-2.6	-0.6	-21.3	-4.8
Lumber & Furniture	10.8	11.4	11.9	-0.6	-5.3	-1.1	-9.2
Stone, Clay & Glass	11.2	11.5	11.6	-0.3	-2.6	-0.4	-3.4
Primary Metals	15.6	16.2	14.6	-0.6	-3.7	1.0	6.8
Fabricated Metals	44.1 ^{1/}	45.4 ^{1/}	46.3	-1.3	-2.9	-2.2	-4.8
Cutlery, Hand tools, Hardware	9.6	9.7	9.2	-0.1	-1.0	0.4	4.3
Machinery, except electrical	106.5	108.0	110.5	-1.5	-1.4	-4.0	-3.6
Metalworking machinery	13.6	14.1	14.4	-0.5	-3.5	-0.8	-5.6
Special industry machinery	14.4	14.5	14.9	-0.1	-0.7	-0.5	-3.4
* Office Computing, & Accounting Machines	54.0	54.5	55.4	-0.5	-0.9	-1.4	-2.5
Electrical & Electronic machinery, equip., etc.	123.9	118.7	127.8	5.2	4.4	-3.9	-3.1
Communications equipment	45.1 ^{2/}	37.5	45.4	7.6	20.3	-0.3	-0.7
Electronic components	55.4	56.5	58.0	-1.1	-1.9	-2.6	-4.5
Transportation equipment	33.7	36.6	40.4	-2.9	-7.9	-6.7	-16.6
Instruments	54.8	55.1	57.8	-0.3	-0.5	-3.0	-5.2
Measuring & Control devices	21.3	21.4	23.5	-0.1	-0.5	-2.2	-9.4
Miscellaneous Manufacturing Industries	18.0	18.5	19.2	-0.5	-2.7	-1.2	-6.3
Jewelry	6.9	7.0	8.0	-0.1	-1.4	-1.1	-13.8
Nondurable Goods	199.4	208.9	204.0	-9.5	-4.5	-4.6	-2.3
Food & kindred products	22.9	23.2	23.2	-0.3	-1.3	-0.3	-1.3
Textile mill products	16.9	18.2	18.1	-1.3	-7.1	-1.2	-6.6
Apparel	26.4	30.2	28.5	-3.8	-12.6	-2.1	-7.4
Men's & Boys suits, coats & furnishings	7.1	7.4	8.5	-0.3	-4.1	-1.4	-16.5
Paper & allied products	24.8	25.6	25.4	-0.8	-3.1	-0.6	-2.4
Printing & Publishing	51.8	52.7	52.0	-0.9	-1.7	-0.2	-0.4
Chemicals	17.6	17.7	17.9	-0.1	-0.6	-0.3	-1.7
Rubber & miscellaneous Plastic products	27.2	28.5	26.6	-1.3	-4.6	0.6	2.3
Miscellaneous Plastic products	20.2	21.2	19.2	-1.0	-4.7	1.0	5.2
Leather & Leather products	10.2	11.2	10.6	-1.0	-8.9	-0.4	-3.8
Footwear, except rubber	5.5	6.1	5.3	-0.6	-9.3	0.2	3.8
Mining	1.4	1.4	1.4	0.0	****	0.0	****
Construction	127.0	122.8	117.9	4.2	3.4	9.1	7.7
Transportation, Communication & Public Utilities	126.9	130.0	125.7	-3.1	-2.4	1.2	1.0
Wholesale & Retail trade	706.9	712.7	686.9	-3.8	-0.8	20.0	2.9
Wholesale Trade	156.8	157.3	152.4	-0.5	-0.3	4.4	2.9
Retail Trade	550.1	555.4	534.5	-5.3	-1.0	15.6	2.9
Finance, Insurance & Real Estate	206.0	202.6	193.8	3.4	1.7	12.2	6.1
Banking	63.3	62.7	58.8	0.6	1.0	4.5	7.7
Services	808.3	813.6	776.1	-5.3	-0.7	32.2	4.1
Health Services	239.9	241.3	236.0	-1.4	-0.6	3.9	1.7
Educational Services	95.2	102.2	93.8	-7.0	-6.8	1.4	1.5
Government	369.0	385.3	372.7	-16.3	-4.2	-3.7	-1.0
Federal	60.6	60.5	59.5	0.1	0.2	1.1	1.8
U.S. Postal Service	24.7	24.5	23.7	0.2	0.8	1.0	4.2
State	96.5	95.2	96.5	1.3	1.4	0.0	****
Educational services	24.7	24.6	26.3	0.1	0.4	-1.6	-6.1
Local	211.9	229.6	216.7	-17.7	-7.7	-4.8	-2.2
Educational services	107.0	126.5	120.8	-19.5	-15.4	-3.8	-3.4
Other Local	104.9	103.1	105.9	1.8	1.7	-1.0	-0.9
* High Technology Manufacturing	257.3	253.6	264.2	3.7	1.5	-6.9	-2.6
* High Technology Nonmanufacturing	80.3	79.7	75.5	0.6	0.8	4.8	6.4

NOTE: By place of work, not comparable to labor force employment statistics

^{1/} Strike 900 Workers.

^{2/} Strike Over, 8,200 Workers.

*Not Currently Validated by the Bureau of Labor Statistics.

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT
BOSTON PMSA

INDUSTRY	EMPLOYMENT			CHANGE			
	JULY 1986	JUNE 1986	JULY 1985	PRIOR MO.		YEAR AGO	
				#	%	#	%
NONAGRICULTURAL EMPLOYMENT	1672.7	1698.8	1630.8	-26.1	-1.5	41.9	2.6
Manufacturing	307.2	312.6	315.5	-5.4	-1.7	-8.3	-2.6
Durable Goods	223.0	227.3	230.7	-4.3	-1.9	-7.7	-3.3
Primary Metals	3.5	3.6	3.1	-0.1	-2.8	0.4	12.9
Fabricated Metals	17.5	17.9	17.8	-0.4	-2.2	-0.3	-1.7
Machinery, except electrical	48.4	48.5	49.2	-0.1	-0.2	-0.8	-1.6
Electrical & Electronic machinery, equip., etc.	78.8	79.6	77.9	-0.8	-1.0	0.9	1.2
Transportation equipment	20.7	23.5	26.8	-2.8	-11.9	-6.1	-22.8
Instruments, ...	42.6	42.6	44.0	0.0	****	-1.4	-3.2
Nondurable Goods	84.2	85.3	84.8	-1.1	-1.3	-0.6	-0.7
Food & kindred products	11.3	11.6	12.0	-0.3	-2.6	-0.7	-5.8
Textile mill products	2.9	3.0	2.8	-0.1	-3.3	0.1	3.6
Apparel	8.3	8.5	8.6	-0.2	-2.4	-0.3	-3.5
Paper & allied products	7.5	7.8	8.0	-0.3	-3.8	-0.5	-6.3
Printing & Publishing	33.3	33.3	32.5	0.0	****	0.8	2.5
Chemicals	8.7	8.7	8.5	0.0	****	0.2	2.4
Rubber & miscellaneous Plastic products	8.9	9.0	8.8	-0.1	-1.1	0.1	1.1
Leather & Leather products	2.6	2.7	2.8	-0.1	-3.7	-0.2	-7.1
Mining	0.8	0.8	0.6	0.0	****	0.2	33.3
Construction	68.0	65.6	61.5	2.4	3.7	6.5	10.6
Transportation, Communication & Public Utilities	75.9	77.6	74.2	-1.7	-2.2	1.7	2.3
Wholesale & Retail trade	375.4	380.5	363.3	-5.1	-1.3	12.1	3.3
Finance, Insurance & Real Estate	139.6	138.1	131.3	1.5	1.1	8.3	6.3
Banking	41.4	40.7	38.0	0.7	1.7	3.4	8.9
Insurance	38.3	37.9	37.7	0.4	1.1	0.6	1.6
Services	517.4	524.9	498.8	-7.5	-1.4	18.6	3.7
Health Services	135.4	136.9	134.2	-1.5	-1.1	1.2	0.9
Educational Services	70.2	77.1	69.5	-6.9	-8.9	0.7	1.0
Government	188.4	198.7	185.6	-10.3	-5.2	2.8	1.5
Federal	37.5	37.4	37.4	0.1	0.3	0.1	0.3
U.S. Postal Service	13.8	13.8	13.3	0.0	****	0.5	3.8
Federal Hospitals	5.0	5.0	5.0	0.0	****	0.0	****
State	48.6	47.5	47.7	1.1	2.3	0.9	1.9
State Hospitals	4.8	4.8	4.6	0.0	****	0.2	4.3
Educational services	8.3	8.4	7.9	-0.1	-1.2	0.4	5.1
Local	102.8	113.8	100.5	-11.5	-10.1	1.8	1.8

NOTE: By place of work, not comparable to labor force employment statistics

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
	JULY 1986	JUNE 1986	JULY 1985	PRIOR MO.		YEAR AGO	
				#	%	#	%
SPRINGFIELD MSA							
NONAGRICULTURAL EMPLOYMENT	226.4	231.6	222.9	-5.2	-2.2	3.5	1.6
Manufacturing	51.4	52.7	51.9	-1.3	-2.5	-0.5	-1.0
Durable Goods	26.5	27.0	26.8	-0.5	-1.9	-0.3	-1.1
Fabricated Metals	7.2	7.3	7.0	-0.1	-1.4	0.2	2.9
Machinery, except electrical	6.8	6.9	7.0	-0.1	-1.4	-0.2	-2.9
Nondurable Goods	24.9	25.7	25.1	-0.8	-3.1	-0.2	-0.8
Textile mill products	1.5	1.6	1.5	-0.1	-5.3	0.0	****
Apparel	1.1	1.4	0.9	-0.3	-21.4	0.2	22.2
Paper & allied products	7.0	7.3	7.3	-0.3	-4.1	-0.3	-4.1
Printing & Publishing	5.8	5.7	5.7	0.1	1.8	0.1	1.8
Mining	0.1	0.2	0.1	-0.1	-50.0	0.0	****
Construction	9.4	9.0	8.2	0.4	4.4	1.2	14.6
Transportation, Communication & Public Utilities	8.4	8.8	8.4	-0.4	-4.5	0.0	****
Wholesale & Retail trade	52.7	53.8	51.7	-1.1	-2.0	1.0	1.9
Finance, Insurance & Real Estate	15.7	15.5	15.1	0.2	1.3	0.6	4.0
Services	52.9	54.1	51.1	-1.2	-2.2	1.8	3.5
Government	35.8	37.5	36.4	-1.7	-4.5	-0.6	-1.6
Federal	5.9	6.0	5.9	-0.1	-1.7	0.0	****
State	7.8	7.9	7.8	-0.1	-1.3	0.0	****
Local	22.1	23.6	22.7	-1.5	-6.4	-0.6	-2.6
WORCESTER MSA							
NONAGRICULTURAL EMPLOYMENT	184.8	189.0	179.5	-4.2	-2.2	5.3	3.0
Manufacturing	43.6	44.6	45.4	-1.0	-2.2	-1.8	-4.0
Durable Goods	29.6	30.1	31.4	-0.5	-1.7	-1.8	-5.7
Primary Metals	2.1	2.1	2.1	0.0	****	0.0	****
Fabricated Metals	8.1	8.4	8.4	-0.3	-3.6	-0.3	-3.6
Machinery, except electrical	9.5	9.5	10.4	0.0	****	-0.9	-8.7
Nondurable Goods	14.0	14.5	14.0	-0.5	-3.4	0.0	****
Textile mill products	2.8	2.9	2.9	-0.1	-3.4	-0.1	-3.4
Leather & Leather products	0.6	0.7	0.9	-0.1	-14.3	-0.3	-33.3
Mining	0.1	0.1	0.1	0.0	****	0.0	****
Construction	9.5	9.0	8.3	0.5	5.6	1.2	14.5
Transportation, Communication & Public Utilities	7.9	8.1	8.1	-0.2	-2.5	-0.2	-2.5
Wholesale & Retail trade	45.2	46.0	43.0	-0.8	-1.7	2.2	5.1
Finance, Insurance & Real Estate	12.4	12.2	11.8	0.2	1.6	0.6	5.1
Services	44.4	44.8	41.3	-0.4	-0.9	3.1	7.5
Government	21.7	24.2	21.5	-2.5	-10.3	0.2	0.9
NOTE: By place of work, not comparable to labor force employment statistics							

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				PRIOR MO.		YEAR AGO	
	JULY 1986	JUNE 1986	JULY 1985	#	%	#	%
BROCKTON PMSA							
NONAGRICULTURAL EMPLOYMENT	69.1	70.9	66.5	-1.8	-2.5	2.6	3.9
Manufacturing	10.3	11.2	10.9	-0.9	-8.0	-0.6	-5.5
Durable Goods	5.4	5.8	6.1	-0.4	-6.9	-0.7	-11.5
Electrical & Electronic machinery, equip., etc.	1.5	1.5	1.6	-0.1	-6.3	-0.1	-6.3
Nondurable Goods	4.9	5.4	4.8	-0.5	-9.3	0.1	2.1
Construction	4.3	4.1	3.3	0.2	4.9	1.0	30.3
Transportation, Communication & Public Utilities	4.6	4.8	4.5	-0.2	-4.2	0.1	2.2
Wholesale & Retail trade	20.7	20.8	19.9	-0.1	-0.5	0.8	4.0
Finance, Insurance & Real Estate	3.2	3.1	3.0	0.1	3.2	0.2	6.7
Services	15.0	15.2	14.3	-0.2	-1.3	0.7	4.9
Government	11.0	11.7	10.6	-0.7	-6.0	0.4	3.8
Federal	2.9	2.9	2.8	0.0	****	0.1	3.6
State	2.2	2.2	2.0	0.0	****	0.2	10.0
Local	5.9	6.6	5.8	-0.7	-10.6	0.1	1.7
LAWRENCE - HAVERHILL MASS. - N.H. PMSA							
NONAGRICULTURAL EMPLOYMENT	162.2	157.3	157.4	4.9	3.1	4.8	3.0
Manufacturing	54.5	47.1	54.5	7.4	15.7	0.0	****
Durable Goods	40.5	32.7	40.7	7.8	23.9	-0.2	-0.5
Nondurable Goods	14.0	14.4	13.8	-0.4	-2.8	0.2	1.4
Leather & Leather products	2.1	2.4	2.3	-0.3	-12.5	-0.2	-8.7
Construction	9.4	10.6	11.7	-1.2	-11.3	-2.3	-19.7
Transportation, Communication & Public Utilities	6.5	6.8	6.1	-0.3	-4.4	0.4	6.6
Wholesale & Retail trade	35.3	35.0	32.9	0.3	0.9	2.4	7.3
Finance, Insurance & Real Estate	5.7	5.7	5.4	0.0	****	0.3	5.6
Services	32.6	32.7	30.5	-0.1	-0.3	2.1	6.9
Government	18.2	19.4	16.3	-1.2	-6.2	1.3	11.7
NOTE: By place of work, not comparable to labor force employment statistics							

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDUSTRY	EMPLOYMENT			CHANGE			
				PRIOR MO.		YEAR AGO	
	JULY 1986	JUNE 1986	JULY 1985	#	%	#	%
FITCHBURG - LEOMINSTER MSA							
NONAGRICULTURAL EMPLOYMENT	39.4	41.0	37.8	-1.6	-3.9	1.6	4.2
Manufacturing	12.6	13.3	12.2	-0.7	-5.3	0.4	3.3
Durable Goods	5.6	5.9	5.8	-0.3	-5.1	-0.2	-3.4
Machinery, except electrical	3.5	-3.6	3.8	-0.1	-2.8	-0.3	-7.9
Nondurable Goods	7.0	7.4	6.4	-0.4	-5.4	0.6	9.4
Rubber & miscellaneous Plastic products	3.3	3.5	2.7	-0.2	-5.7	0.6	22.2
Construction	2.8	2.6	2.0	0.2	7.7	0.8	40.0
Transportation, Communication & Public Utilities	1.5	1.7	1.3	-0.2	-11.8	0.2	15.4
Wholesale & Retail trade	9.5	9.5	9.2	0.0	****	0.3	3.3
Finance, Insurance & Real Estate	1.6	1.6	1.5	0.0	****	0.1	6.7
Services	7.5	7.7	7.4	-0.2	-2.6	0.1	1.4
Government	3.9	4.6	4.2	-0.7	-15.2	-0.3	-7.1
LOWELL MASS. - N.H. PMSA MSA							
NONAGRICULTURAL EMPLOYMENT	106.7	107.7	100.9	-1.0	-0.9	5.8	5.7
Manufacturing	39.3	38.8	38.5	0.5	1.3	0.8	2.1
Construction	5.8	5.5	4.8	0.3	5.5	1.0	20.8
Transportation, Communication & Public Utilities	3.4	3.8	3.4	-0.4	-10.5	0.0	****
Wholesale & Retail trade	23.6	24.3	21.3	-0.7	-2.9	2.3	10.8
Finance, Insurance & Real Estate	4.0	3.9	3.6	0.1	2.6	0.4	11.1
Services	18.0	17.9	17.2	0.1	0.6	0.8	4.7
Government	12.5	13.4	12.0	-0.9	-6.7	0.5	4.2
SALEM - GLOUCESTER PMSA							
NONAGRICULTURAL EMPLOYMENT	108.7	110.3	104.9	-1.6	-1.5	3.8	3.6
Manufacturing	22.0	22.6	22.3	-0.6	-2.7	-0.3	-1.3
Durable Goods	15.5	15.8	15.6	-0.3	-1.9	-0.1	-0.6
Nondurable Goods	6.6	6.8	6.7	-0.2	-2.9	-0.1	-1.5
Construction	4.2	4.0	4.0	0.2	5.0	0.2	5.0
Transportation, Communication & Public Utilities	3.3	3.3	3.1	0.0	****	0.2	6.5
Wholesale & Retail trade	33.0	33.2	31.7	-0.2	-0.6	1.3	4.1
Finance, Insurance & Real Estate	4.8	4.9	4.5	-0.1	-2.0	0.3	6.7
Services	26.6	26.5	25.1	0.1	0.4	1.5	6.0
Government	14.8	15.8	14.1	-1.0	-6.3	0.7	5.0
NOTE: By place of work, not comparable to labor force employment statistics							

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

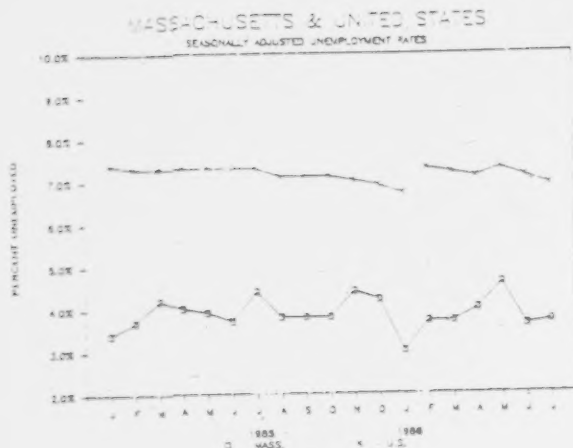
INDUSTRY	EMPLOYMENT			CHANGE			
	JULY 1986	JUNE 1986	JULY 1985	PRIOR MO.		YEAR AGO	
				#	%	#	%
PITTSFIELD MSA							
NONAGRICULTURAL EMPLOYMENT	42.8	42.5	41.6	0.3	0.7	1.2	2.9
Manufacturing	11.6	11.8	11.8	-0.2	-1.7	-0.2	-1.7
Machinery	7.8	8.0	8.3	-0.2	-2.5	-0.5	-6.0
Construction	2.0	1.9	1.8	0.1	5.3	0.2	11.1
Transportation, Communication & Public Utilities	1.1	1.1	1.0	0.0	****	0.1	10.0
Wholesale & Retail trade	12.0	11.6	10.9	0.4	3.4	1.1	10.1
Finance, Insurance & Real Estate	2.1	2.2	2.1	-0.1	-4.5	0.0	****
Services	9.5	8.9	9.7	0.6	6.7	-0.2	-2.1
Government	4.4	4.9	4.2	-0.5	-10.2	0.2	4.8
NEW BEDFORD MSA							
NONAGRICULTURAL EMPLOYMENT	65.8	68.0	65.9	-2.2	-3.2	-0.1	-0.1
Manufacturing	19.8	21.8	21.8	-2.0	-9.2	-2.0	-9.2
Durable Goods	7.9	8.3	9.0	-0.4	-4.8	-1.1	-12.2
Primary & Fabricated Metals	2.0 ^{1/}	2.1 ^{1/}	2.9	-0.1	-4.8	-0.9	-31.0
Nondurable Goods	11.9	13.5	12.8	-1.6	-11.9	-0.9	-7.0
Apparel	5.7	6.7	6.3	-1.0	-14.9	-0.6	-9.5
Construction	2.6	2.5	2.5	0.1	4.0	0.0	****
Transportation, Communication & Public Utilities	2.6	2.6	2.7	0.0	****	-0.1	-3.7
Wholesale & Retail trade	16.4	16.3	15.5	0.1	0.6	0.9	5.8
Finance, Insurance & Real Estate	3.1	3.1	2.6	0.0	****	0.5	19.2
Services	12.2	12.0	11.8	0.2	1.7	0.4	3.4
Government	9.1	9.7	8.9	-0.6	-6.2	0.2	2.2
FALL RIVER MASS. - R.I. PMSA							
NONAGRICULTURAL EMPLOYMENT	53.5	55.1	51.0	-1.6	-2.9	2.5	4.9
Manufacturing	17.0	17.8	15.3	-0.8	-4.5	1.7	11.1
Textile mill products	4.0	4.3	3.6	-0.3	-7.0	0.4	11.1
All other manufacturing	13.0	13.5	11.7	-0.5	-3.7	1.3	11.1
Construction	2.4	2.3	2.0	0.1	4.3	0.4	20.0
Transportation, Communication & Public Utilities	1.6	1.6	1.6	0.0	****	0.0	****
Wholesale & Retail trade	13.8	13.8	13.2	0.0	****	0.6	4.3
Finance, Insurance & Real Estate	2.8	2.8	2.8	0.0	****	0.0	****
Services	10.2	10.2	10.3	0.0	****	-0.1	-1.0
Government	5.7	6.6	5.8	-0.9	-13.6	-0.1	-1.7
NOTE: By place of work, not comparable to labor force employment statistics				1/ Strike 900 Workers.			

Nonagricultural Wage and Salary Employment
AVERAGE HOURS AND EARNINGS OF PRODUCTION WORKERS BY AREA
MANUFACTURING

AREA	AVERAGE WEEKLY HOURS			AVERAGE HOURLY EARNINGS		
	July 1986	June 1986	July 1985	July 1986	June 1986	July 1985
UNITED STATES	40.2	40.8	40.1	\$9.72	\$9.70	\$9.55
MASSACHUSETTS	41.1	41.3	40.2	9.31	9.18	9.14
BOSTON	40.2	40.7	40.3	10.06	10.10	9.62
SPRINGFIELD	42.7	42.7	41.5	8.99	8.97	8.96
WORCESTER	41.0	41.1	41.2	9.66	9.41	9.18

Nonagricultural Wage and Salary Employment
AVERAGE HOURS AND EARNINGS OF PRODUCTION WORKERS BY INDUSTRY
MASSACHUSETTS

INDUSTRY	AVERAGE WEEKLY HOURS			AVERAGE HOURLY EARNINGS		
	July 1986	June 1986	July 1985	July 1986	June 1986	July 1985
MANUFACTURING	41.1	41.3	40.2	\$9.31	\$9.18	\$9.14
DURABLE GOODS	41.5	41.6	40.8	9.72	9.63	9.64
LUMBER & FURNITURE	39.4	40.6	37.7	6.56	6.84	6.83
STONE, CLAY & GLASS	42.0	39.6	39.9	11.22	11.12	11.06
PRIMARY METALS	43.9	43.2	41.5	9.19	9.08	8.81
FABRICATED METALS	40.6	41.5	40.5	9.41	9.33	9.64
CUTLERY, HAND TOOLS, HARDWARE	40.2	41.5	41.5	10.63	10.57	10.42
MACHINERY, EXCEPT ELECTRICAL	42.3	42.2	42.1	10.39	10.34	9.95
METALWORKING MACHINERY	40.9	41.4	43.7	10.78	10.82	10.62
SPECIAL INDUSTRY MACHINERY	39.6	39.9	44.4	11.41	11.31	10.42
ELECTRICAL & ELECTRONIC MACH EQUIP	42.8	42.3	42.3	9.39	9.05	9.34
COMMUNICATIONS EQUIPMENT	44.3	43.1	41.4	10.15	9.24	10.32
ELECTRONIC COMPONENTS	44.7	44.3	43.7	9.45	9.35	9.00
TRANSPORTATION EQUIPMENT	39.3	40.4	38.2	11.24	11.48	11.49
INSTRUMENTS	39.9	40.7	39.6	9.85	9.71	9.54
MEASURING & CONTROL DEVICES	40.6	43.0	39.6	7.92	7.83	7.56
MISCELLANEOUS MANUFACTURING IND.	40.6	40.6	40.0	8.40	8.28	8.03
JEWELRY	39.6	40.5	39.5	7.58	7.42	7.35
NONDURABLE GOODS	40.2	40.9	39.2	8.60	8.45	8.29
FOOD & KINDRED PRODUCTS	44.1	43.7	41.9	9.47	9.46	9.28
TEXTILE MILL PRODUCTS	41.1	42.2	40.8	7.97	7.82	7.69
APPAREL	39.0	40.5	35.7	6.08	6.02	6.08
MENS & BOYS SUITS, COATS & FURN	43.1	43.3	37.9	6.96	6.96	6.62
PAPER AND ALLIED PRODUCTS	42.1	43.8	42.6	9.44	9.31	9.06
PRINTING AND PUBLISHING	37.8	38.7	37.6	9.48	9.28	9.02
CHEMICALS	41.1	41.8	40.3	10.63	10.58	10.44
RUBBER & MISC. PLASTICS PRODUCTS	41.7	41.3	40.1	8.22	8.19	7.91
MISCELLANEOUS PLASTIC PRODUCTS	40.8	40.6	39.4	7.75	7.71	7.48
LEATHER & LEATHER PRODUCTS	34.7	35.2	36.4	7.01	6.94	6.69
FOOTWEAR, EXCEPT RUBBER	32.1	32.8	35.3	6.26	6.15	5.67



- (continued from page 1)
- o Approximately 56 percent of all the nonagricultural wage and salary jobs in Massachusetts are located in the Boston PMSA.
 - o Almost 42,000 new nonagricultural jobs have been created in the Boston PMSA during the last 12 months.
 - o As of July 1986 the Boston PMSA had the lowest unemployment rate among the 11 major labor areas in Massachusetts, a distinction it also held for the 1985 annual average.

Unemployment Rate Up Slightly

The seasonally adjusted unemployment rate for Massachusetts rose to 3.7 percent in July, up marginally from June's 3.6 percent. July was the 29th consecutive month that Massachusetts has had the lowest unemployment rate of the eleven largest industrial states. Nationally the unemployment rate for July was 6.9 percent, down slightly from June's 7.1 percent rate.

- o Eight of the state's eleven major labor market areas posted over the month increases in their seasonally unadjusted unemployment rates for July, while two areas showed decreases and one remained unchanged.

- o The Boston PMSA, continued to have the lowest unemployment rate at 3.3 percent, while the Salem-Gloucester PMSA had the second lowest rate with 3.6 percent.

- o The Fall River PMSA had the highest unemployment rate among the major areas at 7.2 percent. The New Bedford MSA which had the second highest unemployment rate in July at 6.1 percent saw a substantial increase of 0.9 of a percentage point from its June rate of 5.2 percent.

- o Unemployment rates in the smaller labor market areas ranged from a high of 7.0 percent in the Gardner LMA to lows of 1.1 percent in Nantucket and 2.0 percent in Dukes County.

UNEMPLOYMENT RATES
UNITED STATES AND MASSACHUSETTS
SEASONALLY ADJUSTED

(in Thousands)

	JULY 86	JUNE 86	JULY 85
United States	5.9	7.1	7.2
Massachusetts	3.7	3.6	3.2
Labor Force	1048.3	1038.3	1048.3
Employed	992.3	979.3	979.3
Unemployed	156.0	159.0	169.0

**LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREAS
NOT SEASONALLY ADJUSTED**

(In Thousands)

AREA	CURRENT	PREVIOUS	YEAR AGO
	JULY 1986	JUNE 1986	JULY 1985
UNITED STATES			
LABOR FORCE	120,303,000	119,644,000	117,536,000
EMPLOYMENT	111,832,000	110,869,000	108,854,000
UNEMPLOYMENT	8,471,000	8,775,000	8,682,000
PERCENT UNEMPLOYED	7.0	7.3	7.4
MASSACHUSETTS			
LABOR FORCE	3,143,200	3,075,100	3,116,700
EMPLOYMENT	3,023,000	2,961,200	2,983,000
UNEMPLOYMENT	120,200	113,900	133,700
PERCENT UNEMPLOYED	3.8	3.7	4.3
MAJOR LABOR AREAS			
BOSTON PMSA			
LABOR FORCE	1,550,060	1,516,920	1,532,120
EMPLOYMENT	1,499,540	1,467,380	1,474,980
UNEMPLOYMENT	50,520	49,550	57,150
PERCENT UNEMPLOYED	3.3	3.3	3.7
BROCKTON PMSA			
LABOR FORCE	96,450	95,610	96,290
EMPLOYMENT	92,100	91,380	91,610
UNEMPLOYMENT	4,350	4,230	4,680
PERCENT UNEMPLOYED	4.5	4.4	4.9
FALL RIVER PMSA			
LABOR FORCE	76,970	75,280	74,630
EMPLOYMENT	71,400	70,880	69,170
UNEMPLOYMENT	5,570	4,410	5,460
PERCENT UNEMPLOYED	7.2	5.9	7.3
FITCHBURG-LEOMINSTER MSA			
LABOR FORCE	47,400	47,350	44,860
EMPLOYMENT	44,960	45,230	41,990
UNEMPLOYMENT	2,440	2,130	2,670
PERCENT UNEMPLOYED	5.2	4.5	6.0
LAWRENCE-HAVERHILL PMSA			
LABOR FORCE	190,840	189,040	186,860
EMPLOYMENT	180,890	179,520	176,640
UNEMPLOYMENT	9,950	9,520	10,230
PERCENT UNEMPLOYED	5.2	5.0	5.5
LOWELL PMSA			
LABOR FORCE	155,930	151,630	151,500
EMPLOYMENT	149,950	145,690	144,390
UNEMPLOYMENT	5,980	5,930	6,510
PERCENT UNEMPLOYED	3.8	3.9	4.3
NEW BEDFORD MSA			
LABOR FORCE	88,370	86,650	89,710
EMPLOYMENT	82,970	82,110	83,360
UNEMPLOYMENT	5,400	4,540	6,340
PERCENT UNEMPLOYED	6.1	5.2	7.1

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREAS
NOT SEASONALLY ADJUSTED

(In Thousands)

AREA	CURRENT	PREVIOUS	YEAR AGO
	JULY 1986	JUNE 1986	JULY 1985
PITTSFIELD MSA			
LABOR FORCE	42,570	40,390	42,180
EMPLOYMENT	40,790	38,870	40,180
UNEMPLOYMENT	1,780	1,520	2,000
PERCENT UNEMPLOYED	4.2	3.8	4.7
SALEM-GLOUCESTER SMSA			
LABOR FORCE	154,040	149,320	151,360
EMPLOYMENT	148,470	143,800	144,870
UNEMPLOYMENT	5,580	5,520	6,490
PERCENT UNEMPLOYED	3.6	3.7	4.3
SPRINGFIELD MSA			
LABOR FORCE	248,860	244,880	250,500
EMPLOYMENT	238,530	234,940	238,980
UNEMPLOYMENT	10,330	9,940	11,520
PERCENT UNEMPLOYED	4.2	4.1	4.6
WORCESTER MSA			
LABOR FORCE	207,900	203,340	205,540
EMPLOYMENT	199,850	196,600	196,740
UNEMPLOYMENT	8,050	7,240	8,800
PERCENT UNEMPLOYED	3.9	3.6	4.3
OTHER LABOR AREAS			
AMHERST LMA			
LABOR FORCE	30,860	30,910	31,010
EMPLOYMENT	29,970	29,950	30,010
UNEMPLOYMENT	890	960	990
PERCENT UNEMPLOYED	2.9	3.1	3.2
ATHOL LMA			
LABOR FORCE	9,660	9,610	10,060
EMPLOYMENT	9,110	9,100	9,320
UNEMPLOYMENT	550	520	740
PERCENT UNEMPLOYED	5.7	5.4	7.4
ATTLEBORO LMA			
LABOR FORCE	47,400	47,070	48,260
EMPLOYMENT	44,650	44,480	45,450
UNEMPLOYMENT	2,750	2,590	2,810
PERCENT UNEMPLOYED	5.8	5.5	5.8
BARNSTABLE LMA			
LABOR FORCE	113,760	106,610	114,620
EMPLOYMENT	110,520	103,320	111,130
UNEMPLOYMENT	3,240	3,300	3,490
PERCENT UNEMPLOYED	2.9	3.1	3.0
DUKES COUNTY LMA			
LABOR FORCE	9,390	8,350	9,270
EMPLOYMENT	9,210	8,160	9,090
UNEMPLOYMENT	190	180	180
PERCENT UNEMPLOYED	2.0	2.2	1.9

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT
UNITED STATES, MASSACHUSETTS AND THE LABOR AREAS
NOT SEASONALLY ADJUSTED

(In Thousands)

AREA	CURRENT	PREVIOUS	YEAR AGO
	JULY 1986	JUNE 1986	JULY 1985
GARDNER LMA			
LABOR FORCE	13,680	14,300	13,750
EMPLOYMENT	12,720	13,450	12,580
UNEMPLOYMENT	960	850	1,170
PERCENT UNEMPLOYED	7.0	5.9	8.5
GREAT BARRINGTON LMA			
LABOR FORCE	9,640	9,690	10,430
EMPLOYMENT	9,350	9,450	10,090
UNEMPLOYMENT	290	250	350
PERCENT UNEMPLOYED	3.0	2.5	3.3
GREENFIELD LMA			
LABOR FORCE	24,120	23,950	24,620
EMPLOYMENT	23,320	23,180	23,580
UNEMPLOYMENT	800	770	1,040
PERCENT UNEMPLOYED	3.3	3.2	4.2
NANTUCKET LMA			
LABOR FORCE	8,880	7,740	8,730
EMPLOYMENT	8,780	7,640	8,620
UNEMPLOYMENT	100	100	110
PERCENT UNEMPLOYED	1.1	1.3	1.2
NORTH ADAMS LMA			
LABOR FORCE	18,300	19,230	19,920
EMPLOYMENT	17,160	18,230	18,420
UNEMPLOYMENT	1,140	1,000	1,500
PERCENT UNEMPLOYED	6.2	5.2	7.5
SOUTHBRIDGE LMA			
LABOR FORCE	12,540	12,550	12,470
EMPLOYMENT	11,880	12,030	11,810
UNEMPLOYMENT	660	520	660
PERCENT UNEMPLOYED	5.2	4.2	5.3
TAUNTON LMA			
LABOR FORCE	25,200	25,690	24,690
EMPLOYMENT	23,670	24,340	22,810
UNEMPLOYMENT	1,530	1,340	1,880
PERCENT UNEMPLOYED	6.1	5.2	7.6
WARE LMA			
LABOR FORCE	7,880	8,200	8,440
EMPLOYMENT	7,550	7,890	8,030
UNEMPLOYMENT	330	310	400
PERCENT UNEMPLOYED	4.2	3.8	4.8
BALANCE of WESTERN MASS EA			
LABOR FORCE	8,940	8,040	9,110
EMPLOYMENT	8,610	7,750	8,760
UNEMPLOYMENT	330	300	360
PERCENT UNEMPLOYED	3.7	3.7	3.9

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment.

LABOR FORCE, EMPLOYMENT AND UNEMPLOYMENT MASSACHUSETTS CITIES AND TOWNS

July 1986 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employment	Unemployment	Rate	City or Town Name	Labor Force	Employment	Unemployment	Rate
ABINGTON	7,479	7,211	268	3.6	EAST BRIDGEWATER	5,326	5,083	243	4.6
ACTON	10,274	10,040	234	2.3	EAST BROOKFIELD	967	932	35	3.6
ACUSHNET	5,113	4,903	210	4.1	EAST LONGMEADOW	6,384	6,106	278	4.4
ADAMS	4,529	4,359	170	5.8	EASTHAM	2,535	2,442	93	3.7
AGAWAM	13,708	13,328	380	2.8	EASTHAMPTON	9,195	7,394	1,801	2.0
ALFORD	246	239	7	2.8	EASTON	9,369	9,144	225	2.4
AMESBURY	8,058	7,642	416	5.2	EDGARTOWN	2,361	2,322	39	1.7
AMHERST	20,065	19,462	603	3.0	EGREMONT	881	856	25	2.8
ANDOVER	15,541	15,061	480	3.1	ERVING	547	510	37	6.8
ARLINGTON	28,740	28,086	654	2.3	ESSEX	1,773	1,713	60	3.4
ASHBURNHAM	2,074	1,962	112	5.4	EVERETT	18,479	18,519	960	4.3
ASHBY	1,125	1,060	65	5.8	FAIRHAVEN	8,328	7,913	425	5.1
ASHFIELD	791	764	27	3.4	FALL RIVER	43,322	40,242	3,080	7.2
ASHLAND	5,981	5,827	154	2.6	FALMOUTH	17,132	16,916	216	3.0
ATHOL	4,349	4,097	252	5.8	FITCHBURG	19,673	18,405	1,268	6.4
ATTLEBORO	18,479	17,416	1,063	5.8	FLORIDA	343	318	25	7.3
AUBURN	8,304	8,124	180	2.2	FOXBOROUGH	7,942	7,708	234	2.9
AVON	2,993	2,877	116	3.9	FRAMINGHAM	39,931	39,035	896	2.2
AYER	3,705	3,520	185	5.0	FRANKLIN	9,459	9,112	347	3.7
BARNSTABLE	22,513	21,942	571	2.5	FREETOWN	3,894	3,704	190	4.9
BARRE	2,039	1,991	48	2.4	GARDNER	7,709	7,155	554	7.2
BECKET	690	672	18	2.6	GAY HEAD	200	195	5	2.5
BELFORD	7,152	7,005	147	2.1	GEORGETOWN	3,364	3,258	106	3.2
BELCHERTOWN	4,180	3,952	228	5.5	GILL	688	665	23	3.3
BELLINGHAM	7,631	7,324	307	4.0	GLOUCESTER	15,577	14,694	883	5.7
BELMONT	14,741	14,423	318	2.2	GOSHEN	400	395	5	1.3
BERKLEY	1,282	1,207	75	5.9	GOSNOLD	67	67	0	0.0
BERLIN	1,272	1,244	28	2.2	GRAFTON	6,236	6,070	166	2.7
BERNARDSTON	908	883	25	2.8	GRANBY	2,736	2,515	221	8.1
BERVLY	23,135	22,346	789	3.4	GRANVILLE	688	667	21	3.1
BILLERICA	23,870	23,060	810	3.4	GREAT BARRINGTON	4,314	4,186	128	3.0
BLACKSTONE	3,187	3,000	187	5.9	GREENFIELD	9,205	8,852	353	3.8
BLANDFORD	592	568	24	4.1	GROTON	3,397	3,335	62	1.8
BOLTON	1,420	1,391	29	2.0	GROVELAND	3,119	2,988	131	4.2
BOSTON	297,828	284,697	13,131	4.4	HADLEY	2,932	2,875	57	1.9
BOURNE	8,641	8,456	185	2.1	HALEFAX	2,399	2,490	109	4.5
BOXBOROUGH	2,078	2,063	15	0.6	HAMILTON	4,109	4,023	86	2.1
BOXPORD	3,019	2,954	65	2.2	HAMPDEN	2,275	2,203	72	3.2
BOYLSTON	2,003	1,951	52	2.6	HANDCOCK	323	298	25	7.7
BRAINTREE	20,268	19,579	689	3.4	HANOVER	5,990	5,837	153	2.6
BREWSTER	3,350	3,286	64	1.9	HANSON	4,328	4,084	244	5.6
BRIDGEWATER	9,832	8,453	1,379	4.3	HARDWICK	911	874	37	4.1
BRIMFIELD	1,074	1,020	54	5.0	HARVARD	3,197	3,141	56	1.8
BROCKTON	49,192	46,545	2,647	5.4	HARWICH	5,757	5,540	217	3.8
BROOKFIELD	1,269	1,212	57	4.5	HATFIELD	2,074	2,003	71	3.4
BROOKLINE	34,381	33,267	1,114	3.2	HAVERHILL	26,305	24,379	1,926	7.3
BUCKLAND	913	894	19	2.1	HAWLEY	131	126	5	3.7
BURLINGTON	14,165	13,810	355	2.5	HEATH	232	225	7	3.0
CAMBRIDGE	57,069	55,241	1,828	3.2	HINGHAM	10,635	10,256	379	3.6
CANTON	10,224	9,955	269	2.6	HINSDALE	821	788	33	4.0
CARLISLE	1,361	1,293	68	5.0	HOLAROOK	6,338	6,113	225	3.6
CARVER	3,136	2,973	163	5.2	HOLDEN	7,148	6,940	208	2.9
CHARLEMONT	579	552	27	4.7	HOLLAND	713	679	34	4.8
CHARLTON	3,267	3,198	69	2.1	HOLLISTON	7,256	7,114	142	2.0
CHATHAM	3,361	3,312	49	1.5	HOLYOKE	18,871	17,998	873	4.6
CHELMSFORD	20,836	20,128	708	3.4	HOPEDALE	2,054	1,960	94	4.6
CHELSEA	11,827	10,968	859	7.3	HOPKINTON	4,160	4,071	89	2.1
CHESHIRE	1,816	1,551	265	14.6	HUBBARDSTON	758	701	57	7.5
CHESTER	567	541	26	4.6	HUDSON	9,805	9,573	232	2.4
CHESTERFIELD	580	552	28	4.8	HULL	4,817	4,540	277	5.8
CHICOPPEE	27,726	26,566	1,160	4.2	HUNTINGTON	853	809	44	5.2
CHILMARK	529	524	5	0.9	IPSWICH	6,631	6,402	229	3.5
CLARKSBURG	916	854	62	6.8	KINGSTON	3,825	3,703	122	3.2
CLINTON	6,618	6,375	243	3.7	LAKEVILLE	2,984	2,855	129	4.3
COHASSET	3,807	3,700	107	2.8	LANCASTER	3,300	3,212	88	2.7
COLRAIN	742	732	10	1.3	LANESBOROUGH	1,644	1,564	80	4.9
CONCORD	9,103	8,952	151	1.7	LAWRENCE	33,257	31,112	2,145	6.4
CONWAY	961	946	15	1.6	LEE	3,144	3,013	131	4.2
CUMMINGTON	374	362	12	3.2	LEICESTER	4,331	4,242	89	2.1
DALTON	3,497	3,383	114	3.3	LENEX	3,422	3,305	117	3.4
DANVERS	14,730	14,308	422	2.9	LEOMINSTER	17,530	16,757	773	4.4
DARTMOUTH	13,426	12,802	624	4.6	LEVERETT	1,346	1,320	26	2.5
DEHAM	14,439	14,344	95	0.7	LEXINGTON	17,330	16,957	373	2.2
DEERFIELD	2,568	2,478	90	3.5	LEYDEN	278	264	14	5.0
DEFNIS	8,133	7,971	162	2.0	LINCOLN	3,262	3,180	82	2.5
DIGHTON	2,813	2,437	376	13.4	LITTLETON	4,013	3,924	89	2.2
DOUGLAS	1,845	1,770	75	4.1	LONGMEADOW	7,681	7,453	228	3.0
DOVER	2,291	2,349	42	1.8	LOWELL	57,479	54,820	2,658	4.6
DRACUT	14,524	13,998	526	3.6	LUDLOW	9,371	9,344	27	0.3
DUNELLY	4,717	4,564	153	3.2	LUNENBURG	4,368	4,210	158	3.6
DUNSTABLE	1,093	1,058	35	3.2	LYNN	39,755	38,315	1,440	3.6
DUXBURY	5,843	5,652	191	3.3	LYNNFIELD	9,093	8,966	127	1.4

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

July 1986 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employment	Unemployment	Rate	City or Town Name	Labor Force	Employment	Unemployment	Rate
HALDEN	28,860	27,856	1,004	3.5	RANDOLPH	16,262	15,752	510	3.1
MANCHESTER	3,042	2,965	77	2.5	RAYNHAM	4,953	4,798	155	3.1
MANSFIELD	7,486	7,331	155	2.1	READING	13,581	12,880	701	5.1
MARBLEHEAD	12,261	11,344	917	7.4	REHOBOTH	3,907	3,967	60	1.5
MARION	2,053	1,902	151	7.4	REVERE	22,575	21,480	1,095	4.9
MARLBOROUGH	18,405	17,972	433	2.4	RICHMOND	382	365	17	4.5
MARSHFIELD	11,199	10,799	400	3.6	ROCHESTER	1,677	1,604	73	4.4
MASHPEE	2,348	2,289	59	2.5	ROCKLAND	8,190	7,788	402	4.9
MATTAPANSETT	3,199	3,049	150	4.8	ROCKPORT	3,234	3,046	188	5.8
MAYNARD	5,386	5,279	107	2.0	ROWE	154	145	9	5.8
MEDFIELD	5,386	5,279	107	2.0	ROWLEY	2,477	2,409	68	2.7
MEDFORD	31,700	30,563	1,137	3.6	ROYALSTON	411	381	30	7.3
MEDWAY	4,530	4,515	15	0.3	RUSSELL	743	720	23	3.1
MELROSE	16,592	16,124	468	2.8	RUTLAND	2,183	2,118	65	3.0
MENDON	1,670	1,640	30	1.8	SALEM	22,792	21,953	839	3.7
MERRIMAC	2,580	2,465	115	4.5	SALISBURY	3,342	3,154	188	5.6
METHUEN	22,911	21,983	928	4.1	SANDISFIELD	378	367	11	2.9
MIDDLEBOROUGH	7,891	7,435	456	5.8	SANDWICH	5,416	6,298	118	1.8
MIDDLEFIELD	200	183	17	8.5	SAUGUS	13,951	13,561	390	2.8
MIDDLETON	2,638	2,553	85	3.2	SAVOY	275	247	28	10.2
MILFORD	12,948	12,418	530	4.1	SCITUATE	9,325	9,035	290	3.1
MILLBURY	6,173	5,863	310	5.0	SEEKONK	6,573	6,150	423	6.4
MILLIS	3,813	3,715	98	2.6	SHARON	7,746	7,510	236	3.0
MILLVILLE	833	774	59	7.1	SHEFFIELD	1,721	1,676	45	2.6
MILTON	13,299	12,969	330	2.5	SHELburne	917	893	24	2.6
MONROE	77	72	5	6.5	SHERBORN	2,064	2,044	20	1.0
MONSON	3,411	3,279	132	3.9	SHIRLEY	2,630	2,515	114	4.3
MONTAGUE	4,020	3,907	113	2.8	SHREWSBURY	12,576	12,195	381	3.0
MONTEREY	543	531	12	2.2	SHUTESBURY	753	731	22	2.9
MONTGOMERY	284	277	7	2.5	SOMERSET	10,844	9,551	1,293	11.9
MOUNT WASHINGTON	75	73	2	2.7	SOMERVILLE	43,588	42,026	1,562	3.6
NAHANT	2,199	2,150	49	2.2	SOUTH HADLEY	8,753	8,467	286	3.3
NANTUCKET	8,881	8,782	99	1.1	SOUTHAMPTON	2,191	2,118	73	3.3
NATICK	17,519	17,247	272	1.5	SOUTHBOROUGH	3,523	3,442	81	2.3
NEEDHAM	15,702	15,357	345	2.2	SOUTHBRIDGE	7,402	7,066	336	4.5
NEW ASHFORD	101	97	4	4.0	SOUTHWICK	3,806	3,658	148	3.9
NEW BEDFORD	50,670	47,094	3,576	7.1	SPENCER	5,396	5,207	189	3.5
NEW BRAINTREE	297	289	8	2.7	SPRINGFIELD	68,297	64,687	3,610	5.3
NEW MARLBOROUGH	206	204	2	0.9	STERLING	2,884	2,828	56	1.9
NEW SALEM	306	292	14	4.6	STOCKBRIDGE	1,313	1,286	27	2.1
NEWBURY	2,671	2,503	168	6.3	STONEHAM	12,174	11,907	267	2.2
NEWBURYPORT	9,621	9,191	430	4.5	STOUGHTON	14,947	14,385	562	3.8
NEWTON	49,146	48,004	1,142	2.3	STOW	2,966	2,913	53	1.8
NORFOLK	2,928	2,858	70	2.4	STURBRIDGE	2,843	2,657	186	6.5
NORTH ADAMS	7,818	7,199	619	7.9	SUDBURY	7,591	7,426	165	2.2
NORTH ANDOVER	11,764	11,377	387	3.3	SUNDERLAND	2,283	2,221	62	2.7
NORTH ATTLEBOROUGH	11,289	10,684	605	5.4	SUTTON	2,943	2,800	143	4.9
NORTH BROOKFIELD	2,021	1,967	54	2.7	SWAMPSCOTT	8,167	7,951	216	2.6
NORTH READING	6,673	6,500	173	2.6	SWANSEA	8,022	7,564	458	5.7
NORTHAMPTON	14,698	14,178	520	3.5	TAUNTON	21,302	20,025	1,277	6.0
NORTHBOROUGH	5,698	5,589	109	1.9	TEMPLETON	2,413	2,270	143	5.9
NORTHBROOK	6,306	6,047	259	4.1	TEWKSBURY	15,863	15,315	548	3.5
NORTHFIELD	1,249	1,214	35	2.8	TISBURY	3,251	3,176	75	2.3
NORTON	7,097	6,807	290	4.1	TOLLAND	147	136	11	7.5
NORWELL	4,821	4,730	91	1.9	TOPSFIELD	3,199	3,134	65	2.0
NORWOOD	17,553	17,213	340	2.5	TOWNSEND	3,769	3,579	190	5.0
OAK BLUFFS	1,810	1,754	56	3.1	TRURO	948	938	10	1.1
OAKHAM	419	400	19	4.5	TYNGBOROUGH	3,873	3,766	107	2.8
ORANGE	2,612	2,472	140	5.4	TYRINGHAM	236	231	5	2.1
ORLEANS	3,485	3,416	69	2.0	UPTON	2,126	2,080	46	2.2
OTIS	305	285	20	6.6	UXBRIDGE	4,352	4,107	245	5.6
OXFORD	5,384	5,070	314	5.8	WAKEFIELD	14,266	13,819	447	3.1
PALMER	5,896	5,734	162	2.7	WALES	507	459	48	9.5
PAXTON	2,059	2,032	27	1.3	WALPOLE	10,315	10,048	267	2.6
PEABODY	28,044	26,935	1,109	4.0	WALTHAM	34,453	33,604	849	2.5
PELHAM	756	735	21	2.8	WARE	3,631	3,448	183	5.0
PEMBROKE	7,003	6,992	11	0.1	WAREHAM	11,815	11,324	491	4.2
PEPPERELL	4,339	4,234	105	2.4	WARREN	1,416	1,368	48	3.4
PERU	351	336	15	4.3	WARWICK	229	217	12	5.2
PETERSHAM	447	437	10	2.2	WASHINGTON	329	311	18	5.5
PHILLIPSTON	417	396	21	5.0	WATERTOWN	21,152	20,644	508	2.4
PITTSFIELD	26,234	25,040	1,194	4.6	WAYLAND	7,032	6,902	130	1.8
PLAINFIELD	222	208	14	6.3	WEBSTER	7,183	6,819	364	5.1
PLAINVILLE	3,133	2,960	173	5.5	WELLESLEY	14,582	14,226	356	2.4
PLYMOUTH	17,281	16,388	893	5.2	WELLESLEY	1,444	1,382	62	4.3
PLYMOUTH	996	948	48	4.8	WENDELL	343	306	37	10.8
PRINCETON	1,355	1,327	28	2.1	WENHAM	2,236	2,193	43	1.9
PROVINCETOWN	3,008	2,750	258	8.6	WEST BOYLSTON	3,332	3,236	96	2.9
QUINCY	47,899	46,350	1,549	3.2	WEST BRIDGEWATER	3,387	3,241	146	4.3

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

July 1986 PRELIMINARY ESTIMATES

City or Town Name	Labor Force	Employment	Unemployment	Rate	City or Town Name	Labor Force	Employment	Unemployment	Rate
WEST BROOKFIELD	1,207	1,170	37	3.1	WHITMAN	7,269	7,051	218	3.0
WEST NEWBURY	1,657	1,554	103	6.2	WILBRAHAM	6,132	5,935	197	3.2
WEST SPRINGFIELD	14,465	14,056	409	2.8	WILLIAMSBURG	1,443	1,386	57	4.0
WEST STOCKBRIDGE	780	762	18	2.3	WILLIAMSTOWN	3,898	3,790	108	2.8
WEST TISBURY	1,175	1,169	6	0.5	WILMINGTON	9,476	9,168	308	3.3
WESTBOROUGH	7,872	7,654	218	2.8	WINCHENDON	2,800	2,591	209	7.5
WESTFIELD	17,704	16,954	750	4.2	WINCHESTER	11,306	11,083	223	2.0
WESTFORD	8,638	8,408	230	2.7	WINDSOR	353	345	8	2.3
WESTHAMPTON	720	709	11	1.5	WINTHROP	11,243	10,871	372	3.3
WESTMINSTER	2,633	2,564	69	2.6	WOBURN	21,723	21,270	453	2.1
WESTON	5,979	5,926	53	0.9	WORCESTER	80,137	76,531	3,606	4.5
WESTPORT	6,970	6,451	519	7.4	WORTHINGTON	541	523	18	3.3
WESTWOOD	7,319	7,198	121	1.7	WRENTHAM	3,472	3,363	109	3.1
WEYMOUTH	31,504	30,405	1,099	3.5	YARMOUTH	11,774	11,514	260	2.2
WHATELY	950	919	31	3.3					

NOTE: By place of residence, not comparable to nonagricultural wage and salary employment

UNEMPLOYMENT INSURANCE CLAIMS¹
MASSACHUSETTS AND THE LABOR AREAS

NOT SEASONALLY ADJUSTED

MASSACHUSETTS AND THE LABOR AREAS	INITIAL CLAIMS			CONTINUED CLAIMS ²		
	JULY 86	JUNE 86	JULY 85	JULY 86	JUNE 86	JULY 85
MASSACHUSETTS	6,222	6,595	8,340	60,830	54,876	63,001
MAJOR LABOR AREAS						
BOSTON PMSA	1,907	2,403	2,672	26,037	24,644	26,889
BROCKTON PMSA	156	203	275	2,317	2,153	2,203
FALL RIVER PMSA ³	1,050	508	917	3,613	2,984	3,447
FITCHBURG-LEOMINSTER MSA	155	161	300	1,364	1,128	1,395
LAWRENCE-HAVERHILL PMSA ⁴	390	565	413	4,253	3,249	3,844
LOWELL PMSA ⁴	205	370	276	2,699	2,495	3,047
NEW BEDFORD MSA	544	374	893	2,989	2,567	3,553
PITTSFIELD MSA	157	92	220	877	749	798
SPRINGFIELD MSA	281	393	394	2,905	2,673	3,279
SALEM-GLOUCESTER PMSA	528	552	612	5,482	5,327	5,529
WORCESTER MSA	407	423	618	4,300	3,556	4,278
OTHER LABOR AREAS						
AMHERST LMA	16	19	19	165	146	192
ATHOL LMA	35	41	51	264	229	376
BARNSTABLE COUNTY LMA	88	125	113	1,218	1,167	1,142
BALANCE OF WESTERN MA EA	13	11	18	107	93	114
DUKES COUNTY LMA	5	7	5	62	60	54
GARDNER LMA	49	86	123	582	461	683
GREAT BARRINGTON LMA	21	12	29	117	100	106
GREENFIELD LMA	51	50	54	307	284	494
NANTUCKET LMA	3	4	3	34	33	30
NORTH ADAMS LMA	67	97	111	588	406	836
SOUTHBRIDGE LMA	47	26	85	349	244	340
TAUNTON LMA	202	111	195	819	763	1,014
WARE LMA	17	20	21	185	163	211

- 1 - Week that includes the 12th
2 - Includes regular compensation not extended compensation
3 - Includes Rhode Island residents of PMSA
4 - Includes New Hampshire residents of PMSA

EXPLANATION OF TERMS

Nonagricultural Wage and Salary Employment. Includes all workers who worked full or part-time or who received vacation pay, holiday pay or sick leave pay directly from the employer for the pay period which includes the 12th of the month. Excluded are workers in most agricultural industries as well as those in forestry, fisheries and international government. Also excluded are self-employed workers, unpaid family workers and domestics in private households.

Benchmark. A reasonably complete count of employment at a specified period of time, usually the first quarter of the year. The principal sources of benchmark data for the CES Program are tabulations of employment reported by establishments covered by the Massachusetts Employment Security Law and by Federal government agencies covered by Federal U.I. Law. These principal sources are supplemented for those nonagricultural jobs not covered by U.I. (e.g., religious, students employed by the institution attended).

Establishment. An establishment is an economic unit which produces goods or services, generally at a single physical location, and is engaged in only one type of activity.

Labor Force. The sum of the employed and unemployed living in the area (total employment plus total unemployment).

Total Employment. The count of persons, living in the area, who did any work at all, in any area, for pay or profit during the week of the month including the 12th or who had a job from which they were temporarily absent because of illness, vacation, labor dispute or other reasons which does not reflect a shortage of work.

Total Unemployment. The count of persons, living in the area, who did no work at all, in any area, during the week of the month including the 12th, but who were looking for work or awaiting recall from layoff or beginning a new job within the next 30 days.

Unemployment Rate. Unemployment expressed as a percent of the labor force.

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